

Consolidated Comments Matrix
Draft ASAS MOPS 05/07/2007

| # | Reviewer/ Affiliation | Page | Section | Comment/Rationale | Proposed Resolution | Committee Disposition |
|---|-----------------------------|------|---------------|---|---|---|
| 1 | Tom Mosher/ Garmin | | 2.2.2.2.1 b | I'm not sure how one can "resolve" a report. Can someone illuminate the issue? | | Reworded bullet b. |
| 2 | Dean Miller Boeing | 22 | 2.2.2 | In WP13-06 (3/29/07 version) there was a table with 3 columns : Interface Requirements/Surveillance Processing/Application-Specific Processing Table has been deleted but I could not identify all entries from table in the latest version (WP15-04). | Provide traceability for all requirements from table or the rationale for deleting them. | Traceability Appendix X will be created to capture traces to DO-289 assigned to Dean Miller, Boeing |
| 3 | Dean Miller Boeing | 27 | 2.2.2.3.2.2.1 | Sheila's action item (#77) was presented and closed at March 2007 meeting. | Section author to update accuracy requirement. | Updated section per outcome of action item. |
| 4 | Larry Bachman/J HUAPL | | 2.2.2.2 | I can't think of a plausible situation where ASSAP would have to correlate between ADS-R and TIS-B tracks, other than a massive screwup by the ground infrastructure. | Take out the "/ADS-R" | Action: Paul Lipski What is the probability of a service provider producing a TIS-B and ADS-R message for a single target? |
| 5 | Larry Bachman/J HUAPL | | 2.2.2.2.1 | Need to include what information goes into a "track" or "source file". | The old version of the MOPS referred to Table 3-4 of the ASA MASPS. I think we need to go through that table and select those data items that are truly minimum requirements for initiating and updating a "track". | Added an assumption that the ADS-B reports are already subject to track initiation and maintenance requirements. |

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| 6 | Larry Bachman/J HUAPL | | 2.2.2.2.1.c | Second Tom's comment on "resolve". | Some of the requirements are vaguely worded and may need to be restated more clearly. | Reworded req |
| 7 | Larry Bachman/J HUAPL | | 2.2.2.2.1.d | What does "[2] updates from the source" mean? | This is one of those that needs more clarity. | Deleted this req |
| 8 | Larry Bachman/J HUAPL | | 2.2.2.2.1.f | This requirement is much more complex than indicated. | At a minimum, there should be some words about "If two 1090ES ADS-B reports are received by ASSAP from aircraft with the same address,...", as well as a discussion of the situation and possibilities, e.g., incomplete state vector reports, etc. | Reworded req to be based on reported accuracy. |
| 9 | Larry Bachman/J HUAPL | | 2.2.2.2.1.g | This requirement is pretty tough. In order for this situation to occur, the ground infrastructure would have to mess up. This function is supposed to happen on the ground. Is it reasonable to expect that the avionics should be able to do something that the ground processing could not do? | Remove the requirement. | Rewrote this section real time. Take a look and see what you think. |
| 10 | Larry Bachman/J HUAPL | | 2.2.2.2.2.1.a | Impossible to guarantee for every case. What if ADS-B position source or radar is malfunctioning? Again, this function is supposed to be done on the ground. | At least put in some probability of correlating. | Rewrote this section |
| 11 | Larry Bachman/J | | 2.2.2.2.2.1.b | Impossible to guarantee for every case. What if ADS-B position | At least put in some probability of correlating. | Rewrote this section |

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| | HUAPL | | | source or radar is malfunctioning? Again, this function is supposed to be done on the ground. | | |
| 1 2 | Larry Bachman/J HUAPL | | 2.2.2.2.2.2.a | Impossible to guarantee for every case. What if ADS-B position source or radar is malfunctioning? Again, this function is supposed to be done on the ground. | At least put in some probability of correlating. | Rewrote this section |
| 1 3 | Larry Bachman/J HUAPL | | 2.2.2.2.2.2.b | Impossible to guarantee for every case. What if ADS-B position source or radar is malfunctioning? Again, this function is supposed to be done on the ground. | At least put in some probability of correlating. | Rewrote this section |
| 1 4 | Larry Bachman/J HUAPL | | 2.2.2.2.2.2 | Shouldn't the note be a requirement? | Change the note to a requirement, unless this is already done in the CDTI part of the document. | Rewrote this section |
| 1 5 | Larry Bachman/J HUAPL | | 2.2.2.2.2.3 | Where do numbers in requirements come from? | Provide analysis to support numbers. | Took the numbers out |
| 1 6 | Larry Bachman/J HUAPL | | 2.2.2.2.3 | Don't understand the purpose of the table. | If the table is to be followed, make it a requirement. If not, then what do we need it for? Also, some of the entries correspond to nearly impossible cases, which ASSAP processors should not waste time on. | Took the table out |
| 1 7 | Larry Bachman/J HUAPL | | 2.2.2.2.3.1-3 | Needs work – no explanation or justification given. | Add explanatory text and, if necessary, analysis. Also, if these requirements are the only ones, get rid of sections and put | Rewrote this section |

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| | | | | | under 2.2.2.2.3. | |
| 1 8 | Larry Bachman/J HUAPL | | 2.2.2.2.4.a | Have maximum coast intervals been defined? | Add definition and justification for max. coast intervals. Also need expository material. | Yes |
| 1 9 | Larry Bachman/J HUAPL | | 2.2.2.2.5 | Needs expository material and clearer requirements. | Add text and clarify requirements. | Made an attempt |
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